

Tuesday, June 23, 2015 10:51:33 AM

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JUN 24 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

Work Order ID 133881

133881

Page 2

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Item ID: D350-822-011

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/24/15

Req'd Qty: 1.00

1

Customer:

Reference:

Run Start *NR1*

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Stop *NR2*

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

125

Consignment Stock

0.00

125

Outsourc10

Consignment stock

Memo

Issue PO to GL account 50000-25 to LEAVE W/O OPEN UNTIL SOLD

Issue W/O LINE item for Fall for amount sold on sales order S/O
according to sales price see Warrant for amount. (if sale price is \$23,000 -
amount is \$13,400)PO can be received immediately and given to finance in order to close work
order.

PO 28946

130

Packaging

0.00

130

Packaging

Packaging

Memo

Identify and pack for shipping as per PRP D350-822-011

Location: _____

SHIP

DAS
02
9-89

JUN 24 2015

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Quality Control

Memo

0.00

JUN 24 2015

ML5
① 65624

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 14.02.20 NEW ISSUE DD VERF:JLM IPP
REV:B 14.06.18 AS PER IIN REV.C DD VERF:JLM IPP REV:C
15.06.03 AS PER IIN REV.D DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
QR10616 *QR10616* Vortex Tube Repair	DAS 02 9-89	Purchased	No				Each	15.0000	**	1			DAS 06 9-89
				<u>Location</u>				<u>Loc Qty</u>					DAS 26 9-89
				MEZZ2				15					
				m129631				7					
				m129914				8					
QB21304 *QB21304* PUREair Panel Assembly	DAS 02 9-89	Purchased	No				Each	15.0000	**	1			DAS 06 9-89
				<u>Location</u>				<u>Loc Qty</u>					DAS 26 9-89
				Mezz2				13					
				118409				13					
				ST				2					
				m122914				2					
QB21310 *QB21310* Transition Duct Assembly	DAS 02 9-89	Purchased	No				Each	15.0000	**	1			DAS 06 9-89
				<u>Location</u>				<u>Loc Qty</u>					DAS 26 9-89
				MEZZ2				15					
				m129631				7					
				m129914				8					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																								
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																							
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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

QB21308	Purchased	No	Each	15.0000	1	DAS 06 9-89	DAS 26 9-89
QB21308							
Fod Screen Assembly							
DAS 02 9-89							
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			MEZZ2	15			
			m129631	7			
			m129914	8			
LN29985-A05	Purchased	No	Each	0.0000	15	DAS 06 9-89	DAS 26 9-89
LN29985-A05							
Anchor Nut (USE LN29985-AM5)							
LN9038-05018	Purchased	No	Each	952.0000	56	DAS 06 9-89	DAS 26 9-89
LN9038-05018							
Bolt							
DAS 02 9-89							
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			st555	952			
			M132419	952			
BS4320-A5	Purchased	No	Each	719.0000	114	DAS 06 9-89	DAS 26 9-89
BS4320-A5							
Washer							
DAS 02 9-89							
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			MEZZ2	719			
			M129631	357			
			M129914	362			
MS20426AD3-3	Purchased	No	Each	4,600.000	40	DAS 06 9-89	DAS 26 9-89
MS20426AD3-3							
RIVET							
DAS 02 9-89							
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			ST313	4600			
			M131624	4600			

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

650.0401

Purchased No

Each 1.0000

650 0401

PUREair Fairing Assembly

**** 3 132155**

DAS
6
9-89

Location

Loc Qty

Loc Code

Mezz2
130087

1

1

Each

0.0000

1

133813

DAS
26
9-89

DAS
26
9-89

D4925-041

Manufactured No

Each 0.0000

D4925-041

Mounting Plate Assembly

DAS
02
9-89

D4931-1

Manufactured No

Each 11.0000

1

D4931-1

Engine Fitting (for acft models B2 & previous)

DAS
02
9-89

Location

Loc Qty

Loc Code

ST139

11

7

4

Each

21.0000

1

D4931-3

Manufactured No

D4931-3

Engine Fitting (for B3 models)

DAS
02
9-89

Location

Loc Qty

Loc Code

ST139

21

17

4

Each

24.0000

1

D4931-5

Manufactured No

D4931-5

Engine Fitting (for B3e models)

DAS
02
9-89

Location

Loc Qty

Loc Code

ST139

24

19

5

120908
121327

DAS
26
9-89

JUN 23 2015

DAS
26
9-89

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DQA: _____ Date: _____



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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
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Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

D4935-1 Manufactured No

Each 36.0000 6

D4935-1

Mounting Bracket
DAS
02
9-89

Location

Loc Qty

Loc Code

ST139

36

120909

36

Each 41.0000

1

D4943-1 Manufactured No

D4943-1

Flex Hose

DAS
02
9-89

Location

Loc Qty

Loc Code

ST220a

24

119750

6

119753

7

119754

8

119755

3

st220b

17

119749

1

119751

8

119752

8

D4961-041 Manufactured No

D4961-041

Tube Assembly

DAS
02
9-89

Location

Loc Qty

Loc Code

prelim

4

129599

4

ST140

7

120910

7

**

**

**

DAS
06
9-89

DAS
26
9-89

DAS
06
9-89

DAS
26
9-89

DAS
06
9-89

JUN 23 2015

DAS
26
9-89

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Page 4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition			Completed By																		
							Lead hand / Supervisor Approval Verification																		
							QC / QA Coordinator Approval																		
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐																			

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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

D4961-043 Manufactured No

Each 6.0000 1

D4961-043

Tube Assembly

DAS
02
9-89

Location

Loc Qty

Loc Code

ST140

6

133257
133364

1

5

D5079-1 Purchased No

Each 20.0000 2

D5079-1

Placard, EAPS

DAS
02
9-89

Location

Loc Qty

Loc Code

ST145

20

121243
130339

10

10

D5090-041 Manufactured No

Each 6.0000 1

D5090-041

Duct Assembly

DAS
02
9-89

Location

Loc Qty

Loc Code

ST218

6

132723

6

D5105-1 Manufactured No

Each 26.0000 2

D5105-1

Handle

DAS
02
9-89

Location

Loc Qty

Loc Code

ST147

26

121244

26

**

**

**

**

DAS
06
9-89

DAS
26
9-89

DAS
06
9-89

DAS
26
9-89

DAS
06
9-89

DAS
06
9-89

DAS
26
9-89

DAS
06
9-89

DAS
26
9-89

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2

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval			
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval			
Root Cause		FAULT CATEGORY									
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____									
Misidentified ☐	Past Due ☐										

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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

D5110-1 Manufactured No

Each 11.0000 1

D5110-1

Swivel Nut Fitting

DAS
02
9-89LocationLoc QtyLoc Code

ST148

11

121245
121874

1

10

**

DAS
06
9-89DAS
26
9-89

D5179-1 Manufactured No

Each 12.0000 2

D5179-1

Doubler

DAS
02
9-89LocationLoc QtyLoc Code

st151

12

133258
133365

2

10

**

DAS
06
9-89DAS
26
9-89

D5179-3 Manufactured No

Each 12.0000 2

D5179-3

Doubler

DAS
02
9-89LocationLoc QtyLoc Code

st151

12

133259
133360

2

10

**

DAS
06
9-89DAS
26
9-89

D5194-1 Manufactured No

Each 12.0000 2

D5194-1

Doubler

DAS
02
9-89LocationLoc QtyLoc Code

ST149

12

133260
133367

2

10

**

DAS
06
9-89DAS
26
9-89

D5208-041 Manufactured No

Each 0.0000 3

D5208-041

Blanking Plate Assembly

DAS
02
9-89LocationLoc QtyLoc Code

ST149

12

133260
133367

2

10

**

DAS
6
9-89

133869

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DAS
26
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

8411999090

Purchased No

Each

0.0000

1

8411999090

N/A ~~15.6.23~~

Gasket

9752018044

Purchased No

Each

15.0000

1

9752018044

Gasket (for B3 models)

DAS

02

9-89

Location

Loc Qty

Loc Code

ST564

15

m129550

15

Each

15.0000

1

9945000120

Purchased No

9945000120

Gasket (for B3e models)

DAS

02

9-89

Location

Loc Qty

Loc Code

ST564

15

m129550

15

Each

81.0000

2

23350CA050

Purchased No

23350CA050

WASHER

DAS

02

9-89

Location

Loc Qty

Loc Code

ST568

81

m129609

81

Each

34.0000

2

AN821-12J

Purchased No

AN821-12J

Elbow (or AN821-12K or 12S)

DAS

02

9-89

Location

Loc Qty

Loc Code

CCK003

25

m129769

15

m132479

10

ST324

9

280

4

m129566

5

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval 	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

AN929-12J Purchased No

Each 21.0000 1

AN929-12J

Cap

DAS
02
9-89

**

DAS
06
9-89

DAS
26
9-89

Location

Loc Qty

Loc Code

CCK003

15

m129764

15

ST322

6

m129591

6

EN3686-050016 Purchased No

Each 35.0000 2

FN3686-050016

Screw

DAS
02
9-89

**

DAS
06
9-89

DAS
26
9-89

Location

Loc Qty

Loc Code

st552

35

m132539

35

LN9038-05012 Purchased No

Each 500.0000 32

I N9038-05012

Bolt

DAS
02
9-89

**

DAS
06
9-89

DAS
26
9-89

Location

Loc Qty

Loc Code

st555

500

m132423

150

m132435

20

m132519

330

LN9038-05040 Purchased No

Each 20.0000 1

I N9038-05040

Bolt

68-6
20
DAS

**

DAS
06
9-89

JUN 23 2015

Location

Loc Qty

Loc Code

st555

20

m132423

20

DAS
26
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (Q51042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

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Work Order ID: 133881

133881

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 6/23/15

Required Date: 6/24/15

Start Qty: 1.00

Required Qty: 1.00

LN9348-05

Purchased

No

Each

402.0000

26

I N9348-05

Nut

DAS
02
9-89

Location

Loc Qty

Loc Code

st555

402

m132423

122

m132435

80

m132519

200

**

DAS
06
9-89

DAS
26
9-89

MS20470AD3-4

Purchased

No

Each

2,194.000

18

MS20470AD3-4

Rivet, Universal Head

DAS
02
9-89

Location

Loc Qty

Loc Code

GA

931

111477

931

ST311

1263

111477

1263

**

DAS
06
9-89

DAS
26
9-89

MS21919WCH12

Purchased

No

Each

15.0000

1

MS21919WCH12

Clamp

DAS
02
9-89

Location

Loc Qty

Loc Code

ST295

15

m130358

15

**

DAS
06
9-89

DAS
26
9-89

MS9592-138

Purchased

No

Each

35.0000

1

MS9592-138

Bracket

DAS
02
9-89

~~m132555 ST273~~

**

DAS
06
9-89

DAS
26
9-89

NAS43DD3-64

Purchased

No

Each

20.0000

1

NAS43DD3-64

Spacer

DAS
02
9-89

Location

Loc Qty

Loc Code

GA

20

m132461

20

**

DAS
06
9-89

JUN 23 2015

DAS
26
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY		
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____			
Misidentified ☐	☐ Past Due				

5.0 PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	D350-822-011	PA100 PUREAIR SYSTEM
1	QR10616	TUBE REPAIR KIT
1	QB21304	PUREAIR PANEL ASSY
1	QB21310	TRANSITION DUCT ASSY
1	QB21308	FOD SCREEN ASSY
15	LN29985-A05	ANCHOR NUT
56	LN9038-05018	BOLT
56	BS4320-A5	WASHER
40	MS20426AD3-3	RIVET
1	650.0401	PUREAIR FAIRING ASSY
1	D4925-041	MOUNTING PLATE ASSY
1	D4931-1	ENGINE FITTING*
1	D4931-3	ENGINE FITTING*
1	D4931-5	ENGINE FITTING*
6	D4935-1	MOUNTING BRACKET
1	D4943-1	FLEX HOSE
1	D4961-041	TUBE ASSEMBLY
1	D4961-043	TUBE ASSEMBLY
2	D5079-1	PLACARD
1	D5090-041	DUCT ASSEMBLY
2	D5105-1	HANDLE
1	D5110-1	SWIVEL NUT FITTING
2	D5179-1	DOUBLER
2	D5179-3	DOUBLER
2	D5194-1	DOUBLER
3	D5208-041	BLANKING PLATE ASSY
1	8411999090	GASKET*
1	9752018044	GASKET*
1	9945000120	GASKET*
2	23350CA050	LOCKING TAB
2	AN821-12J	ELBOW (OR AN821-12K OR AN821-12S)
1	AN929-12J	CAP
58	BS4320-A5	WASHER (OR NAS1149D0332J)
2	EN3686-050016	SCREW
32	LN9038-05012	BOLT
1	LN9038-05040	BOLT
26	LN9348-05	NUT
18	MS20470AD3-4	RIVET
1	MS21919WHG12	CLAMP
1	MS9592-138	BRACKET
1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION